

CITY OF CHULA VISTA

LID

LOW IMPACT
DEVELOPMENT
FOR CLEANER
URBAN RUNOFF





02/26/201



Channel Alteration



Hydromodification



Multiple Species Conservation Plan

- ❑ The MSCP Sub-regional Plan covers 580,000 acres in 12 jurisdictions and includes the Chula Vista MSCP Subarea Plan.
- ❑ The Chula Vista MSCP Subarea Plan covers about 5,000 acres:
2,251 acres are within central and northern areas of the city and 2,742 acres are within Otay Ranch.
- ❑ The Otay Ranch MSCP preserves include the Otay River Valley and its tributary canyons: Salt Creek, Poggi Creek, and Wolf Canyon.
- ❑ Otay Valley Regional Park is planned within the Otay River Valley MSCP preserve area and acts as a regional wildlife corridor.



City of Chula Vista MSCP Subarea and Planning Map

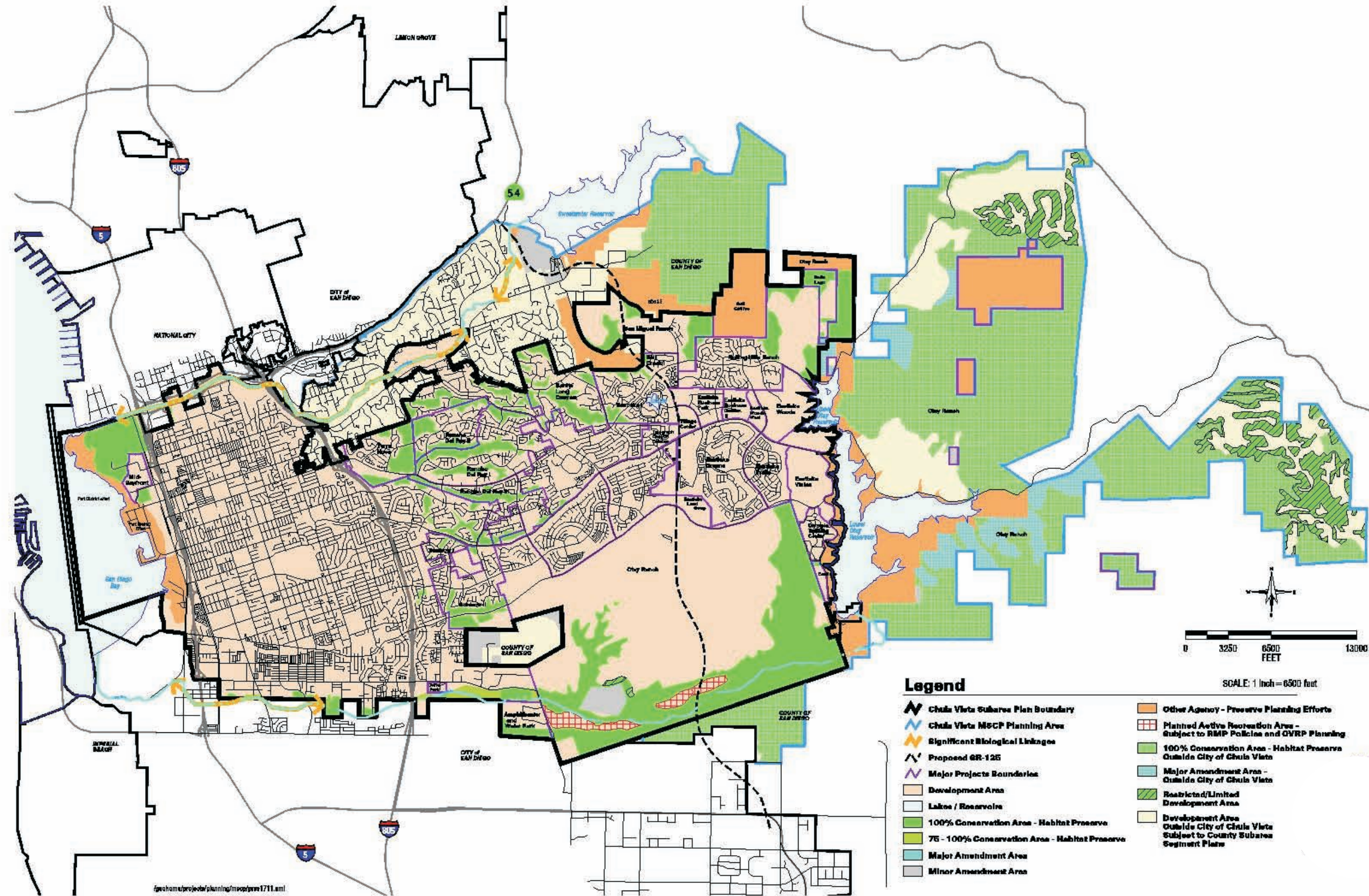


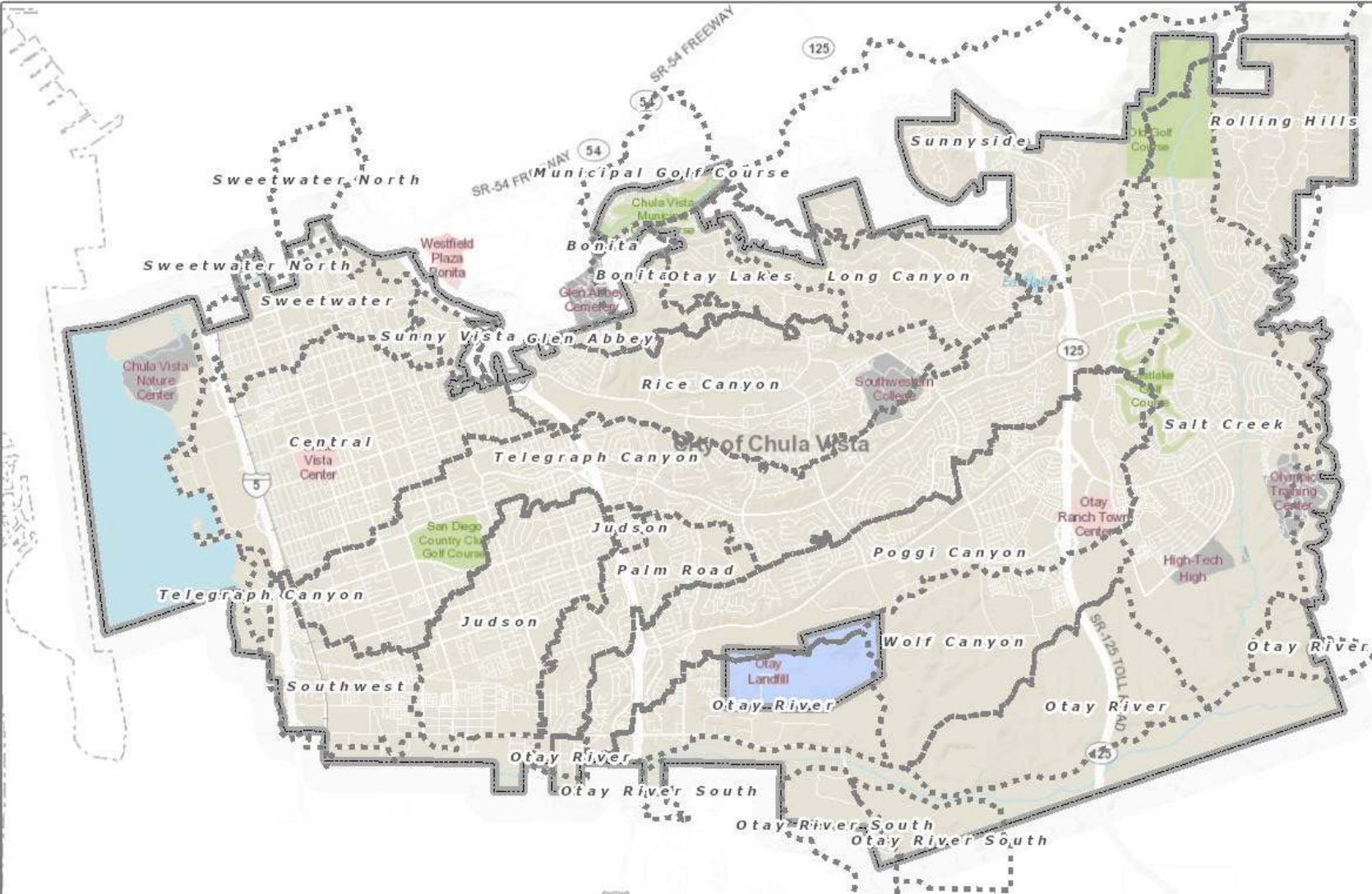
Figure 9-2

Poggi Canyon Creek Project

- ❑ The Poggi Canyon Creek is a 5.6-mile major drainage system within the Otay River Watershed.
- ❑ 3.7 miles of the creek was improved as an engineered unlined channel with gabion drop structures to reduce velocities.
- ❑ Drainage area 3.70 mi², designed for a 100-year peak flow rate of 1,069 cfs, bottom width 50 ft., depth about 17 ft.
- ❑ Detention basin to control downstream peak flow rates to pre-development conditions.



Chula Vista Drainage Basins

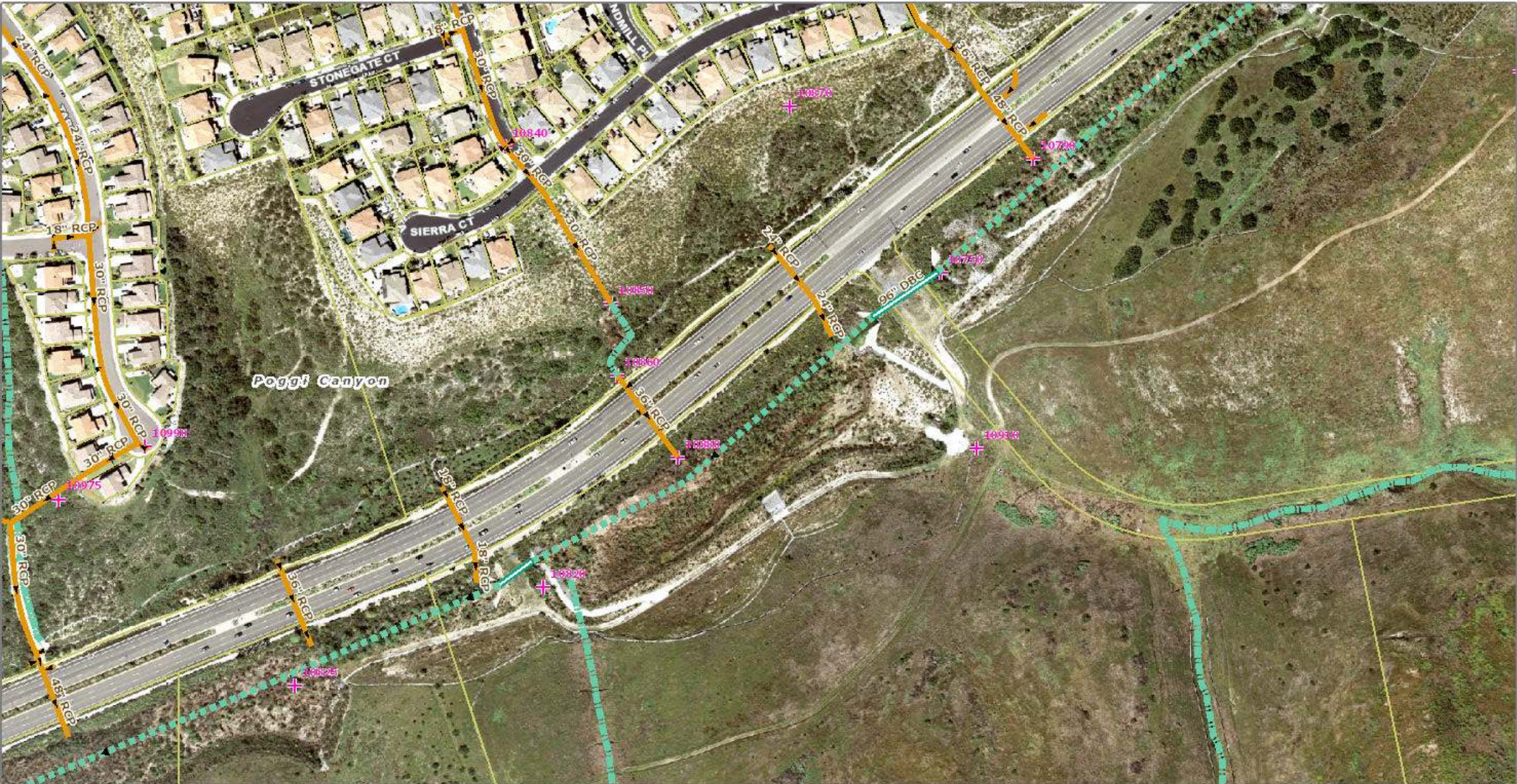


Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey or zoning verification.

1 inch = 1 mile

05/16/2013

Chula Vista, CA



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1 inch = 200 feet

05/16/2013





Wolf Canyon Extended Detention Basin

- ❑ Designed both as a water quality basin and a flood control detention basin.
- ❑ Serves a portion of Otay Ranch Village 7 and Eastern Urban Center (Millenia) projects. Total contributing drainage area is about 260 acres of single-family and multi-family land use.
- ❑ The basins detain a 100-year 6-hour flow rate of 222 cfs to reduce the discharge rate to pre-project levels.
- ❑ Required basin volume for water quality is 9.1 ac-ft and for flood control is 16.9 ac-ft.
- ❑ Ephemeral stream to mitigate impacts to receiving waters



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1 inch = 400 feet

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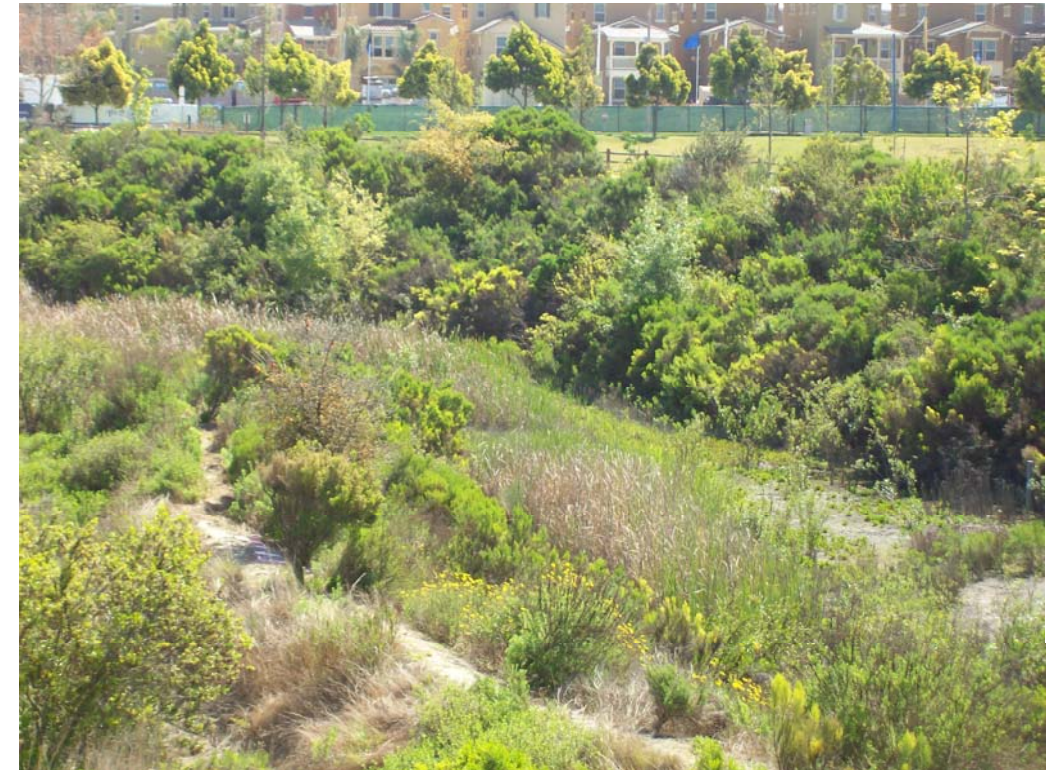
1 inch = 100 feet

05/16/2013

Wolf Canyon Extended Detention Basin



Wolf Canyon Extended Detention Basin



Bioretention



Porous Pavement



Water Quality Basin



Down Spout Disconnect



High-Rate Bioretention



Source Control



Vegetated Swale





Your Community. Your Environment. Your Choice.

Su Comunidad. Su Ambiente. Su Decisión.

The bay begins at
your front door.

Help keep our bay
and waterways
clean.

La bahía empieza en su
puerta de la casa.

Ayude a mantener
nuestras bahías y canales
limpios.



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